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Standard Nomenclature of Domestic Hardwoods and Softwoods¹

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^{ε1} NOTE—Keywords were added editorially in March 1994.

1. Scope

1.1 INTRODUCTION — Species listed in this standard

are grouped by Softwood, Hardwood, or Commercial Species Group categories. The Commercial Species Group category is composed of different species or genera grouped for marketing convenience and identified with a single commercial name. Commercial names represent commercial practice in the United States and Canada.

¹ This nomenclature is under the jurisdiction of ASTM Committee D07 on Wood and is the direct responsibility of Subcommittee D07.91 on Technical Service.

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HARDWOODS

Commercial Names ²	Official Common Tree Names ³	Botanical Names
Alder:		
Red Alder†	red alder	<i>Alnus rubra</i>
Ash:		
Black Ash ⁴	black ash	<i>Fraxinus nigra</i>
Oregon Ash	Oregon ash	<i>F. latifolia</i>
Pumpkin Ash	pumpkin ash	<i>F. profunda</i>
Aspen:		
Aspen Poplar (North)*†	quaking aspen (trembling aspen)	<i>Populus tremuloides</i>
Balsam Poplar*†	balsam poplar (balsam)	<i>P. balsamifera</i>
Largetooth Aspen*†	bigtooth aspen (largetooth aspen)	<i>P. grandidentata</i>
Beech	American beech	<i>Fagus grandifolia</i>
Box Elder	boxelder	<i>Acer negundo</i>
Butternut	butternut	<i>Juglans cinerea</i>
Cherry	black cherry	<i>Prunus serotina</i>
Chestnut	American chestnut	<i>Castanea dentata</i>
Cottonwood:		
Black Cottonwood*†	black cottonwood	<i>Populus trichocarpa</i>
Cucumber	cucumbertree	<i>Magnolia acuminata</i>
Elder: See Box Elder		
Gum ⁵	sweetgum	<i>Liquidambar styraciflua</i>
Holly	American holly	<i>Ilex opaca</i>
Ironwood	eastern hophornbeam	<i>Ostrya virginiana</i>
Madrone	Pacific madrone	<i>Arbutus menziesii</i>
Maple:		
Oregon Maple	bigleaf maple	<i>Acer macrophyllum</i>
Mulberry	red mulberry	<i>Morus rubra</i>
Myrtle: See Oregon Myrtle		
Oregon Myrtle	California-laurel	<i>Umbellularia californica</i>
Osage Orange	Osage-orange	<i>Maclura pomifera</i>
Persimmon	common persimmon	<i>Diospyros virginiana</i>
Popple: See Aspen		
Sassafras	sassafras	<i>Sassafras albidum</i>
Silverbell	Carolina silverbell	<i>Halesia carolina</i>
Sycamore	American sycamore	<i>Platanus occidentalis</i>
Tanoak	tanoak	<i>Lithocarpus densiflorus</i>
Walnut	black walnut	<i>Juglans nigra</i>
Yellow Poplar	yellow poplar	<i>Liriodendron tulipifera</i>

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² The commercial names for lumber represent commercial practice in the United States and Canada. A dagger (†) indicates names recognized under the American Lumber Standard. The designation (north) identifies Canadian lumber exported to the United States. An asterisk (*) indicates a commercial name applied only when the included species are harvested in Canada.

³ The official common names conform to the *Check List of Native and Naturalized Trees of the United States* (including Alaska), Agriculture Handbook No. 41, 1953, and are sometimes used as names for lumber. In addition to the official common name for a species, the *Check List* also lists other names by which the species and the lumber produced from it are sometimes designated. Names unique to Canada are shown in parentheses.

⁴ Black ash is known commercially in some consuming centers as brown ash, and is also sometimes designated as such in specifications.

⁵ Usually designated either as red gum or as sap gum, as the case may be, or as gum or sweetgum if unselected for color.



SOFTWOODS

Commercial Names ²	Official Common Tree Names ³	Botanical Names
Cedar:		
Alaska Cedar†	Alaska-cedar	<i>Chamaecyparis nootkatensis</i>
Eastern White Cedar*†	northern white-cedar	<i>Thuja occidentalis</i>
Incense Cedar†	incense-cedar	<i>Libocedrus decurrens</i>
Northern White Cedar†	northern white-cedar	<i>Thuja occidentalis</i>
Pacific Coast Yellow Cedar (North)*†	Alaska-cedar (Pacific Coast yellow cedar)	<i>Chamaecyparis nootkatensis</i>
Port Orford Cedar†	Port-Orford-cedar	<i>C. lawsoniana</i>
Southern White Cedar	Atlantic white-cedar	<i>C. thyoides</i>
Western Red Cedar†	western redcedar	<i>Thuja plicata</i>
Western Red Cedar (North)*†	western redcedar	<i>T. plicata</i>
Douglas- Fir:		
Douglas Fir	Douglas-fir	<i>Pseudotsuga menziesii</i>
Douglas Fir (South)†	Douglas-fir ⁶	<i>P. menziesii</i>
Fir		
Alpine Fir (North)*†	subalpine fir (alpine fir)	<i>Abies lasiocarpa</i>
Amabilis Fir (North)*†	Pacific silver fir (amabilis fir)	<i>A. amabilis</i>
Balsam Fir†	balsam fir	<i>A. balsamea</i>
Balsam Fir (North)*†	balsam fir	<i>A. balsamea</i>
Grand Fir (North)*†	grand fir	<i>A. grandis</i>
Noble Fir	noble fir	<i>A. procera</i>
Subalpine Fir†	subalpine fir	<i>A. lasiocarpa</i>
Hemlock:		
Eastern Hemlock†	eastern hemlock	<i>Tsuga canadensis</i>
Eastern Hemlock (North)*†	eastern hemlock	<i>T. canadensis</i>
Mountain Hemlock†	mountain hemlock	<i>T. mertensiana</i>
Western Hemlock†	western hemlock	<i>T. heterophylla</i>
Western Hemlock (North)*†	western hemlock	<i>T. heterophylla</i>
Larch:		
Western Larch	western larch	<i>Larix occidentalis</i>
Western Larch (North)*†	western larch	<i>L. occidentalis</i>
Pine:		
Eastern White Pine†	eastern white pine	<i>Pinus strobus</i>
Eastern White Pine (North)*†	eastern white pine	<i>P. strobus</i>
Idaho White Pine†	western white pine	<i>P. monticola</i>
Jack Pine†	jack pine	<i>P. banksiana</i>
Jack Pine (North)*†	jack pine	<i>P. banksiana</i>
Lodgepole Pine†	lodgepole pine	<i>Pinus contorta</i>
Lodgepole Pine (North)*†	lodgepole pine	<i>P. contorta</i>
Northern White Pine	eastern white pine	<i>P. strobus</i>
Norway Pine†	red pine	<i>P. resinosa</i>
Ponderosa Pine*†	ponderosa pine	<i>P. ponderosa</i>
Red Pine (North)*†	red pine	<i>P. resinosa</i>
Sugar Pine	sugar pine	<i>P. lambertiana</i>
Western White Pine*†	western white pine	<i>P. monticola</i>
Redwood:		
California Redwood†	redwood	<i>Sequoia sempervirens</i>
Redwood	redwood	<i>S. sempervirens</i>
Spruce:		
Black Spruce (North)*†	black spruce	<i>Picea mariana</i>
Coast Sitka Spruce*†	Sitka spruce	<i>P. sitchensis</i>
Engelmann Spruce†	Engelmann spruce	<i>P. engelmannii</i>
Engelmann Spruce (North)*†	Engelmann spruce	<i>P. engelmannii</i>
Red Spruce (North)*†	red spruce	<i>P. rubens</i>
Sitka Spruce†	Sitka spruce	<i>P. sitchensis</i>
Western White Spruce*†	white spruce	<i>P. glauca</i>
White Spruce (North)*†	white spruce	<i>P. glauca</i>
Tamarack:		
Tamarack†	tamarack <i>Larix laricina</i>	
Tamarack (North)*†	tamarack	<i>L. laricina</i>
Yew:		
Pacific Yew	Pacific yew	<i>Taxus brevifolia</i>

⁶ Douglas-fir from Arizona, Colorado, Nevada, New Mexico, and Utah.



COMMERCIAL SPECIES GROUPS

Commercial Names ²	Official Common Tree Names ³	Botanical Names
Ash:		
White Ash	blue ash green ash white ash	<i>Fraxinus quadrangulata</i> <i>F. pennsylvanica</i> <i>F. americana</i>
Aspen:		
Aspen†	bigtooth aspen quaking aspen	<i>Populus grandidentata</i> <i>P. tremuloides</i>
Northern Aspen*†	bigtooth aspen (largetooth aspen) quaking aspen (trembling aspen) balsam poplar (balsam)	<i>Populus grandidentata</i> <i>P. tremuloides</i> <i>P. balsamifera</i>
Basswood ⁷	American basswood white basswood	<i>Tilia americana</i> <i>T. heterophylla</i>
Birch ⁸	gray birch paper birch river birch sweet birch yellow birch	<i>Betula populifolia</i> <i>B. papyrifera</i> <i>B. nigra</i> <i>B. lenta</i> <i>B. alleghaniensis</i>
Buckeye	Ohio buckeye yellow buckeye	<i>Aesculus glabra</i> <i>A. octandra</i>
Cedar:		
Eastern Red Cedar	eastern redcedar southern redcedar	<i>Juniperus virginiana</i> <i>J. silicicola</i>
Western Cedar†	Alaska-cedar incense-cedar Port-Orford-cedar western redcedar	<i>Chamaecyparis nootkatensis</i> <i>Libocedrus decurrens</i> <i>Chamaecyparis lawsoniana</i> <i>Thuja plicata</i>
Western Cedars (North)*†	Alaska-cedar (Pacific Coast yellow cedar) western redcedar	<i>Chamaecyparis nootkatensis</i> <i>Thuja plicata</i>
Coast Species*†	Douglas-fir grand fir Pacific silver fir (amabilis fir) western hemlock western larch Sitka spruce	<i>Pseudotsuga menziesii</i> <i>Abies grandis</i> <i>A. amabilis</i> <i>Tsuga heterophylla</i> <i>Larix occidentalis</i> <i>Picea sitchensis</i>
Cottonwood:		
Cottonwood	black cottonwood eastern cottonwood plains cottonwood swamp cottonwood	<i>Populus trichocarpa</i> <i>P. deltoides</i> <i>P. sargentii</i> <i>P. heterophylla</i>
Cypress ⁹	balsam poplar baldcypress pond cypress	<i>P. balsamifera</i> <i>Taxodium distichum</i> <i>T. distichum</i> variant <i>nutans</i>
Dogwood	flowering dogwood Pacific dogwood	<i>Cornus florida</i> <i>C. nuttallii</i>
Douglas Fir-Larch†	Douglas-fir ¹⁰ western larch	<i>Pseudotsuga menziesii</i> <i>Larix occidentalis</i>
Douglas Fir-Larch (North)*†	Douglas-fir western larch	<i>Pseudotsuga menziesii</i> <i>Larix occidentalis</i>
Eastern Hemlock-Tamarack†	eastern hemlock tamarack	<i>Tsuga canadensis</i> <i>Larix laricina</i>
Eastern Hemlock-Tamarack (North)*†	eastern hemlock tamarack	<i>Tsuga canadensis</i> <i>Larix laricina</i>
Eastern Spruce-Balsam fir†	balsam fir black spruce red spruce white spruce	<i>Abies balsamea</i> <i>Picea mariana</i> <i>P. rubens</i> <i>P. glauca</i>



COMMERCIAL SPECIES GROUPS

Commercial Names ²	Official Common Tree Names ³	Botanical Names
Eastern Woods†	bigtooth aspen quaking aspen balsam fir Carolina hemlock eastern hemlock eastern white pine jack pine red pine black spruce red spruce white spruce tamarack	<i>Populus grandidentata</i> <i>P. tremuloides</i> <i>Abies balsamea</i> <i>Tsuga caroliniana</i> <i>T. canadensis</i> <i>Pinus strobus</i> <i>P. banksiana</i> <i>P. resinata</i> <i>Picea mariana</i> <i>P. rubens</i> <i>P. glauca</i> <i>Larix laricina</i>
Elm: Rock Elm	cedar elm rock elm September elm winged elm	<i>Ulmus crassifolia</i> <i>U. thomasii</i> <i>U. serotina</i> <i>U. alata</i>
Soft Elm ¹¹	American elm slippery elm	<i>U. americana</i> <i>U. rubra</i>
Engelmann spruce-alpine Fir†	subalpine fir	<i>Abies lasiocarpa</i>
Engelmann spruce-lodgepole Pine†	Engelmann spruce lodgepole pine Engelmann spruce	<i>Picea engelmannii</i> <i>Pinus contorta</i> <i>Picea engelmannii</i>
Fir: Balsam Fir ¹² White fir	balsam fir fraser fir California red fir grand fir noble fir Pacific silver fir subalpine fir white fir	<i>Abies balsamea</i> <i>A. fraseri</i> <i>A. magnifica</i> <i>A. grandis</i> <i>A. procera</i> <i>A. amabilis</i> <i>A. lasiocarpa</i> <i>A. concolor</i>
Hackberry	hackberry	<i>Celtis occidentalis</i>
Hem-Fir†	sugarberry California red fir grand fir noble fir Pacific silver fir white fir	<i>C. laevigata</i> <i>Abies magnifica</i> <i>A. grandis</i> <i>A. procera</i> <i>A. amabilis</i> <i>A. concolor</i>
Hem-Fir (North)*†	western hemlock grand fir Pacific silver fir (amabilis fir) western hemlock	<i>Tsuga heterophylla</i> <i>Abies grandis</i> <i>A. amabilis</i> <i>Tsuga heterophylla</i>
Hemlock: Eastern Hemlock	Carolina hemlock eastern hemlock	<i>T. caroliniana</i> <i>T. canadensis</i>
Hickory	mockernut hickory pignut hickory shagbark hickory shellbark hickory	<i>Carya tomentosa</i> <i>C. glabra</i> <i>C. ovata</i> <i>C. laciniosa</i>
Juniper: Western Juniper	alligator juniper Rocky Mountain juniper Utah juniper western juniper	<i>Juniperus deppeana</i> <i>J. scopulorum</i> <i>J. osteosperma</i> <i>J. occidentalis</i>
Locust	black locust honeylocust	<i>Robinia pseudoacacia</i> <i>Gleditsia triacanthos</i>
Magnolia	cucumbertree southern magnolia sweetbay	<i>Magnolia acuminata</i> <i>M. grandiflora</i> <i>M. virginiana</i>
Maple: Hard Maple ¹³ Soft Maple ¹³	black maple sugar maple red maple silver maple	<i>Acer nigrum</i> <i>A. saccharum</i> <i>A. rubrum</i> <i>A. saccharinum</i>



COMMERCIAL SPECIES GROUPS

Commercial Names ²	Official Common Tree Names ³	Botanical Names
Mixed Species†	Alaska-cedar	<i>Chamaecyparis nootkatensis</i>
	incense-cedar	<i>Libocedrus decurrens</i>
	Port-Orford-cedar	<i>Chamaecyparis lawsoniana</i>
	western redcedar	<i>Thuja plicata</i>
	Douglas-fir ¹⁰	<i>Pseudotsuga menziesii</i>
	California red fir	<i>Abies magnifica</i>
	grand fir	<i>A. grandis</i>
	noble fir	<i>A. procera</i>
	Pacific silver fir	<i>A. amabilis</i>
	subalpine fir	<i>A. lasiocarpa</i>
	white fir	<i>A. concolor</i>
	mountain hemlock	<i>Tsuga mertensiana</i>
	western hemlock	<i>T. heterophylla</i>
	western larch	<i>Larix occidentalis</i>
	blue spruce	<i>Picea pungens</i>
	Engelmann spruce	<i>P. engelmannii</i>
	Sitka spruce	<i>P. sitchensis</i>
	lodgepole pine	<i>Pinus contorta</i>
	ponderosa pine	<i>P. ponderosa</i>
	sugar pine	<i>P. lambertiana</i>
western white pine	<i>P. monticola</i>	
Mountain Hemlock-Hem Fir†	California red fir	<i>Abies magnifica</i>
	grand fir	<i>A. grandis</i>
	noble fir	<i>A. procera</i>
	Pacific silver fir	<i>A. amabilis</i>
	white fir	<i>A. concolor</i>
	mountain hemlock	<i>Tsuga mertensiana</i>
Northern Species*†	western hemlock	<i>T. heterophylla</i>
	Alaska-cedar (Pacific Coast yellow cedar)	<i>Chamaecyparis nootkatensis</i>
	western redcedar	<i>Thuja plicata</i>
	Douglas-fir	<i>Pseudotsuga menziesii</i>
	balsam fir	<i>Abies balsamea</i>
	grand fir	<i>A. grandis</i>
	Pacific silver fir (amabilis fir)	<i>A. amabilis</i>
	subalpine fir (alpine fir)	<i>A. lasiocarpa</i>
	eastern hemlock	<i>Tsuga canadensis</i>
	western hemlock	<i>T. heterophylla</i>
	eastern white pine	<i>Pinus strobus</i>
	jack pine	<i>P. banksiana</i>
	lodgepole pine	<i>P. contorta</i>
	ponderosa pine	<i>P. ponderosa</i>
	red pine	<i>P. resinosa</i>
	western white pine	<i>P. monticola</i>
	black spruce	<i>Picea mariana</i>
	red spruce	<i>P. rubens</i>
Sitka spruce	<i>P. sitchensis</i>	
white spruce	<i>P. glauca</i>	
tamarack	<i>Larix laricina</i>	
Oak:	black oak	<i>Quercus velutina</i>
	blackjack oak	<i>Q. marylandica</i>
	California black oak	<i>Q. kelloggii</i>
	cherrybark oak	<i>Q. falcata</i> variant <i>pagodaefolia</i>
	laurel oak	<i>Q. laurifolia</i>
	northern pin oak	<i>Q. ellipsoidalis</i>
	northern red oak	<i>Q. rubra</i>
	Nuttall oak	<i>Q. nuttallii</i>
	pin oak	<i>Q. palustris</i>
	scarlet oak	<i>Q. coccinea</i>
	Shumard oak	<i>Q. shumardii</i>
	southern red oak	<i>Quercus falcata</i>
	turkey oak	<i>Q. laevis</i>
	water oak	<i>Q. nigra</i>
	willow oak	<i>Q. phellos</i>